## WHAT IS CLAIMED IS

- 1. A cured non-woven fiber mat comprising, by weight, from about 60 to about 95% fibers containing from about 0.001 to about 15 % of a polysiloxane; said fibers fixedly distributed in from about 40 to about 5 % of a formaldehyde type binder containing between about 0.1 and about 20% of a crosslinked styrene/(meth)acrylic polymer binder modifier
- 2. The mat of claim 1 wherein said fibers are fibers of glass, wood, polyethylene, polypropylene, polyester, Nylon, Orlon® or a mixture thereof.
- 3. The mat of claim 2 wherein the fibers are glass fibers having an average length of from about 3 to about 130 mm and an average diameter of from about 5 to about 25 micrometers.
- 4. The mat of claim 1 wherein the formaldehyde type binder contains formaldehyde and a compound selected from the group consisting of urea, phenol, resorcinol, melamine or a mixture.
- 5. The mat of claim 4 wherein the formaldehyde type binder is urea/formaldehyde.
- 6. The mat of claim 1 wherein the styrene/acrylic polymer is crosslinked with a polyfunctional, nitrogen-containing crosslinking agent .
- 7. The mat of claim 6 wherein between about 0.05 and about 10% of the styrene/acrylic polymer is crosslinked.

- 8. The mat of claim 7 wherein between about 1 and about 5% of the styrene/acrylic polymer is crosslinked.
- 9. The glass fiber mat of claim 1 wherein the fibers are glass fibers and the mat comprises, by weight, from about 68 to about 92% glass fibers containing from about 0.01 to about 10% polysiloxane; said fibers fixedly distributed in from about 8 to about 32% of urea/formaldehyde binder which contains between about 0.5 and about 15% of a styrene/(meth)acrylic polymer which polymer is from about 0.05 to about 10% crosslinked.
- 10. The mat of claim 1 wherein said polysiloxane is poly(dimethylsiloxane).
- 11. The mat of claim 1 wherein the polysiloxane is between about 0.1 and about 2% by weight of said modified binder.
- 12. The mat of claim 1 wherein said mat is a roofing material and is coated on at least one surface with asphalt.
- 13 The mat of claim 12 wherein said mat is a glass mat employed in a roofing shingle.
- 14. The process for making the cured polysiloxane containing nonwoven fiber mat of claim 1 which comprises:
- (a) preparing an aqueous slurry of said fibers and removing excess water to form a wet fiber web:
- (b) separately preparing an aqueous dispersion or emulsion of a formaldehyde type binder containing between about 0.1 and about 20 wt.% of a crosslinkable styrene/(meth)acrylic polymer modifier for said binder;
  - (c) adding between about 10 and about 40 wt.%, of (b), to (a);

- (d) adding a polysiloxane to said fiber web in an amount sufficient to provide a concentration of said polysiloxane in the mat of between about 0.001 and about 15 wt.% and
- (e) curing the resulting mat at a temperature between about 200° and about 400°C.
- 15. The process of claim 14 wherein the cured mat is subsequently coated on at least one surface with asphalt.
- 16. The process of claim 14 wherein said fibers are fibers of glass, wood particles, polyethylene, polypropylene, polyester, Nylon or Orlon®.
- 17. The process of claim 16 wherein the fibers are glass fibers having an average length of from about 3 to about 130 mm and an average diameter of from about 5 to about 25 micrometers.
- 18. The process of claim 14 wherein the formaldehyde type binder is urea/formaldehyde.
- 19. The process of claim 14 wherein the polysiloxane is added to the web before, after or during the addition of modified binder.
- 20 The process of claim 14 wherein at least a portion of the polysiloxane is added to mat after drying or curing.
- 21. The process of claim 14 wherein the polysiloxane is poly(dimethylsiloxane).

- 22. An asphalt coated roofing shingle comprising a cured, non-woven glass fiber mat of by weight, from about 0.001 to about 15% polysiloxane; from about 60 to about 95% glass fibers distributed in from about 40 to about 5% of a urea/formaldehyde binder containing between about 0.1 and about 20% of a crosslinked styrene/(meth)acrylic polymer.
- 23. The roofing shingle of claim 22 wherein the mat comprises, by weight, from about 0.01 to about 10 % polysiloxane; from about 68 to about 92% glass fibers and from about 8 to about 32% urea/formaldehyde binder containing between about 0.05 and about 15% styrene/(meth)acrylic polymer modifier which is 0.05 to 10% crosslinked.
- 24. The roofing shingle of claim 22 wherein polysiloxane is poly(dimethylsiloxane).
- 25 The roofing shingle of claim 22 wherein the polysiloxane is between about 0.1 and about 2% of said modified binder.
- 26. The roofing shingle of claim 22 wherein said styrene/(meth)acrylic polymer is from about 1 to about 5% crosslinked.
- 27. An asphalt coated roofing sheet comprising a cured, polysiloxane containing, non-woven fiber glass mat of, by weight, from about 0.001 to about 15% polysiloxane; from about 60 to about 95% fibers distributed in from about 40 to about 5% of said modified urea/formaldehyde binder.

- 28. The asphalt coated roofing sheet of claim 27 wherein the mat comprises, by weight, from about 0.01 to about 10% polysiloxane; from about 68 to about 90% glass fibers and from about 10 to about 32% urea/formaldehyde binder containing between about 0.05 and about 15% crosslinked styrene/(meth)acrylic polymer.
- 29. The asphalt coated roofing sheet of claim 27 wherein the polysiloxane is poly(dimethylsiloxane).
- 30. The asphalt coated roofing sheet of claim 27 wherein the polysiloxane is between about 0.1 and about 2 wt.% of said modified binder.
- 31. The asphalt coated roofing sheet of claim 27 wherein said styrene/(meth)acrylic polymer is between about 0.5 and about 5 % crosslinked with acrylonitrile.
- 32. An uncured wet web mixture comprising from about 60 to about 95 wt.% glass fibers containing from about 0.001 to about 15 wt% of a polysiloxane and between about 40 and about 5 wt.% of a formaldehyde type binder containing between about 0.1 and about 20 wt.% of a crosslinked styrene/(meth)acrylic polymer for said binder.